






DAILY ONLINE ACTIVITIES SUMMARY

Date:	22/06/2020	Name:	Shetty Sonali
Sem & Sec	8 th - B	USN:	4AL16CS123
Certification Course Summary			
Course	Introduction to cloud		
platform	Ibm	Duration	6 hours
Coding Challenges			
Problem Statement:			
Print the type number of the most common bird; if two or more types of birds are equally common,			
Status: Executed			
Uploaded the report in Github		Yes	
If yes Repository name		SONALISHETTY	
Uploaded the report in slack		Yes	

Certification:

 courses.cognitiveclass.ai/courses/3.1.5/secure-networking-in-cloud 



[Course](#) [Discussion](#) [Wiki](#) [Progress](#)

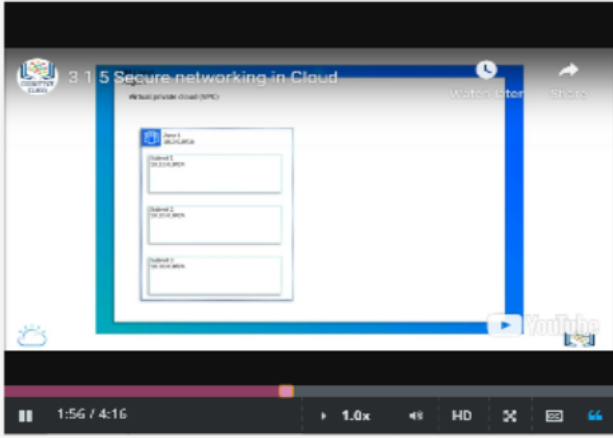
[Module 4 - Components of Cloud Computing](#) [Video: Secure Networking in Cloud \(4:17\)](#) [Video: Secure Networking In Cloud \(4:17\)](#)

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Video: Secure Networking in Cloud (4:17)

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Secure Networking in Cloud (4:17)



3.1.5 Secure networking in Cloud

1:56 / 4:16

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Learn why

and load balancers are deployed into subnets.

Using subnets allows users to deploy enterprise applications using the same multi-tier concepts used in on-premises environments. Subnets are also the main area where security is implemented in the cloud.

Every subnet is protected by Access Control Lists (ACLs) that serve as a subnet-level fire wall.

Within the subnet, one could create Security Groups that provide security at the instance level such as VMs.

Once you build a subnet, then it is time to add some VMs and storage to it so that you could run your applications.

Video

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Video: Containers (9:00)

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Containers (9:00)



lightweight application, to create that Linux VM, we have to put that guest OS in there, in a set of binaries and libraries. That really bloats it out. In fact, I think the smallest node.js VM that I've seen out there is 400 plus mega bytes, whereas the node.js runtime and app itself would be under 15. So we've got that and we'll go ahead and let's push that js application into it. Just by doing that alone, we're gonna consume a set of resources. Next, let's think about scaling this out. So we'll create two additional copies of it, and you'll notice that even though it's the exact same application, we have to use and deploy that

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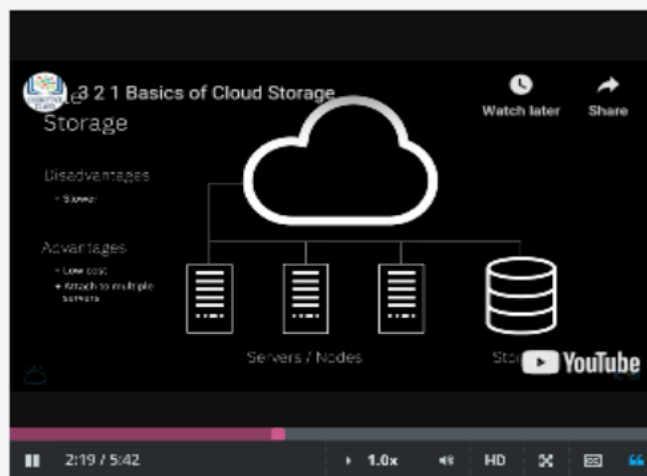
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Video: Basics of Cloud Storage (5:43)

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Basics of Cloud Storage (5:43)



compute nodes over a standard ethernet network. NFS-mounted storage is common-place but it tends to be slower than either direct-attached storage or block storage because the data travels over an ethernet network. It also tends to be lower cost than either direct-attached or block storage. One advantage of File Storage is that it can be mounted or used on multiple servers at once. File-based storage is a simple, straightforward approach to data storage and works well for organizing data in a hierarchical folder structure, that desktop users are familiar with. Block storage is presented to compute nodes using high-speed fibre connections.

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Coding Challenges Details:

```
def migratoryBirds(l):
    l.sort()
    d=dict()
    for i in l:
        if i in d:
            d[i]+=1
        else:
            d[i]=0
    max=0
    for i in d:
        if d[i]>max:
            max=d[i]
            key=i
    return key

arr_count = int(input().strip())
arr = list(map(int, input().rstrip().split()))
result = migratoryBirds(arr)
print(result)
```